THE RAMTOP

SEE INSIDE

FOR MORE

DETAILS!

The Cleveland
Free-Net

The Cleveland Free-Net Project
Case Western Reserve University
School of Medicine
Cleveland, OH 44106
216-368-3886
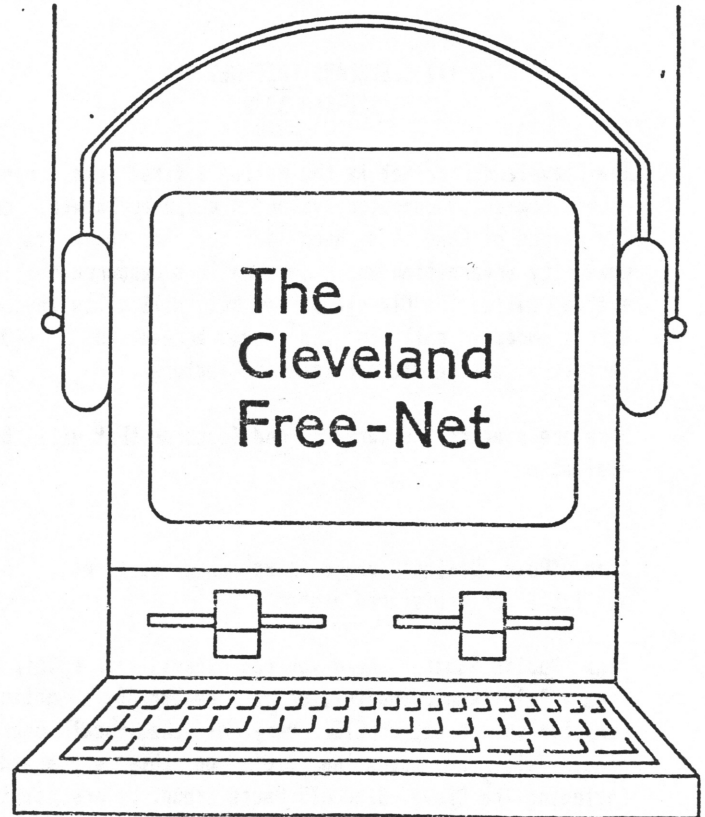
WEST SIDE GROUP MEETS AT LAKEWOOD PUBLIC LIBRARY
         15425 DETROIT AVE. LAKEWOOD OHIO   7:00 P.M.
         EVERY THIRD FRIDAY EACH MONTH
         CONTACT: DICK SIEG   (216) 433-4387

EAST SIDE GROUP MEETS AT THE EUCLID SQUARE MALL
         IN THE EUCLIDIAN ROOM   7:30 P.M.
         EVERY FIRST FRIDAY EACH MONTH
         CONTACT: MAX SCHOENFELD   (216) 371-1096

THE TSU-BBS IS ALIVE
SYSOP:Chris Raynak PHONE:216-327-1099 PARAMETERS:7/1/0

‡‡

T/S RESOURCES

‡‡
                    news/rumors
        hardware   software   literature

        August 1986   by Andy Kosiorek

Announcing ------

THE

‡‡‡ CLEVELAND FREE-NET ‡‡‡
216-368-3888

The Cleveland Free-Net is the nation's first free, open access community computer system. A computer located on the campus of CWRU has been set up to serve as a community information and communications resource. This system, called the Cleveland Free Net, will allow anyone with a modem to call in and have access to a wide variety of electronic services and features.

Here are some of the services and features that will be available.

‡The "Post Office" where electronic mail will be available for registered users.

‡The "Public Square" where you can express your opinions from a "electronic" podium, or be a member of a online computer user group or SIG. Many of the local users groups will be operating SIG's on this sub-board, including The Cleve. SINCLAIR Users Group. We are now in the process of recruiting SYOPS.

‡The "Hospital" will offer all of the features of the former St. Silicon's BBS.

‡There will be section called the "School House" for use by local area schools, teachers and students.

‡And, there will be a "Courthouse" to answer questions related to law.

As time progresses this list of features will expand, the possibilities are endless.

All of this will cost the user nothing. The systems initial setup has been made possible by large grants from AT&T, and the Case/Western Reserve University School of Medicine, University Hosipals, and many other community sponsers.

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‡‡

T/S RESOURCES

‡‡
                    news/rumors
        hardware   software   literature
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                by Andy Kosiorek

Cleveland Free Net, continued---

The Cleveland Free-Net system will be located on the CWRU campus. The system administrator is T.M. Grundner Ed.D., a member of the school of medicines staff and a specialist in medical tele computing systems. Direct system operation willbe handled by a wide variety of individuals and organizations. The structure of the organization and its SYSOPs are now being assembled.

Free-Net will run on an AT&T 3b2/400 computer, with four megabytes of RAM, 144 megabytes of hard disk storage, and a 15 incoming line rotary. Hopefully by the time you are reading this all of the hardware will be in place and functional. The software was written in "C" by Roger Bielefeld of the Intergal Software Group and CSU.

To access the system you will need a 300 or 1200 baud modem. To have full privileges you will have to register in writting. Applications may be requested on line. The system is very user friendly. Simply dial Area Code 216, and 368-3888. This is the former St. Silicon's BBS number.

Cleveland Sinclair Users Group BBS:

After this long plug for Cleve. Free-net, we want to remind you that Chris Raynak operates a TIMEX/SINCLAIR BBS for our club. The number is 216-327-1099. Please call. Sign on- (7-1-0)

ZEBRA BBS:

The Zebra Timex BBS is now back on line with new hardware and software. Zebra will still be selling Timex products, but is now branching into the Atari ST series of computers.

"SUM" Magazine:

Time Designs Magazine has purchased "SUM" magazine. The last "SUM" issue will be Julys. The balance of SUM subscribers subscriptions will be filled with Time Designs issues. The current, July/August issue of TD is very good. If you are not a subscriber, I highly reccomend it.

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Product Preview--Demo available for new program, "Musician Royal"--$20.
By Joan Kealy

The price of Demo ($3.00) will be subtracted from $20 if you decide to order from Electret Scientific Co., P. O. Box 4132, Star City, WV 26505, but the deadline is 12/86 so don't dally.

Yesterday a demo manual and cassette arrived from Dr. Oleg Jefimenko, the author of *30 Music Programs for Timex Sinclair 2068* , reviewed by me about a year ago. At that time I vowed in print to write him a thank you letter for bringing out a music book AFTER Timex discarded us loyalists. In his response he mentioned that he'd finished a program for music transcription only about a month before Timex's withdrawal; that program enabled him to write his book. After the good response to his book, he apparently decided to bring out that transcribing program with an 82 page manual (8 - page introduction and 74-page text). That gives us the opportunity to pick our own musical selections instead of doing copywork from another's choices, however comprehensive.

If you are interested in exploring the musical capabilities of the 2068, take a hop before going the whole leap of $20, since the demo manual is abbreviated from the original and the demo cassette has 6 tunes. My favorite is "Tico Tico", very sprightly and Latin-flavored even with only the BEEP function used. From the demo you can see the considerable variety of applications and saves; even lprint is allowed. You'll be able to tell if this is a pasttime you would like to explore further. Yeah, pasttime. For anyone who wished for the full SOUND capabilities of the 2068 to be used, the transcription of relatively complex tunes to a single melodic line will take some practice to gain proficiency. Gotta BEEP before we SOUND.

I couldn't help wondering if Dr. Jefimenko would not end up like Tom Woods with his "Pro/File" and Ray Kingsley with "Hot Z", endlessly muttering, "I never intended to make this my life's work." Package arrived yesterday; today I started hinting about a sequel. I'd like the harmony of three voices next, BUT I consider there's a good chance the 2068 has musical capabilities that are beyond the ken of some of us. My Casio electronic keyboard still has built-in rhythm accompaniment and 22 instruments plus solo drums. I turn it on every month or three to keep the batteries from corroding the case.

Anyhow, you are sure to learn a lot about reading music; the prof is a compulsive teacher. If he quits higher education and his computer zeal, he could always give Wayne Green a run in the publishing perfection game; handsome packaging and clean copy enhance content. I just wish the demo preview to programs would catch on, but this has to be a costly kind of promotion. I have to guess from the quality of the demo that he figures most will be applying that insufficient $3 onto the full purchase of "Musician Royal".

Thanks Joan for the fine preview I hope more of our group will write this type of article!

This program originally appeared in CTM magazine. It is very easy to use. I have added lines to allow you to create nice calendars of a month or a year of your choice. Follow the prompts and you will have a nice calendar!

THIS CALENDAR IS FOR:

The Greater Cleveland Sinclair

Users Group

****

AUGUST   1986

SU	MO	TU	WE	TH	FR	SA
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

```
1 POKE 23609,20
2 REM PERPETUAL CALENDAR 2058
4 REM ©1984 BY I. AUERSBACHER
8 BORDER 5: BRIGHT 1: CLS : DIM M$(12,9)
9 BEEP .1,30: GO SUB 1000: CLS
10 PRINT ' PAPER 6;" ‡‡‡ CALENDAR(1583-9999 AD) ‡‡‡ "'"
12 RESTORE : FOR Z=1 TO 12: READ M$(Z): NEXT Z
15 LET Z$=" 1 2 3 4 5 6 7 8 910111213141516171819202122232425262728293031": BEEP .05,20
16 INPUT "Y-YEAR, M-PRINT MO, D-DISPLAY:"; LINE T$
19 IF T$="y" THEN GO TO 30
20 INPUT "MONTH (1-12):";A: IF A<1 OR A>12 THEN BEEP .5,-20: GO TO 20
30 INPUT "YEAR (YYYY):";B: IF B<1582 OR B>9999 THEN BEEP .5,-20: GO TO 30
35 CLS
40 IF t$="y" THEN FOR x=1 TO 12: LET a=x
60 LET B=INT B: LET E=B-(A<3)
65 LET C=A+12*(A<3)+1
70 LET D=INT (E/400)-INT (E/100)+INT (1.25*E)+INT (2.6*C)
75 LET D=D-(7*INT (D/7))+1
80 IF (A=4)+(A=6)+(A=9)+(A=11) THEN LET C=30
85 IF (A=1)+(A=3)+(A=5)+(A=7)+(A=8)+(A=10)+(A=12) THEN LET C=31
90 IF A<>2 THEN GO TO 200
100 LET C=28: IF (B/4=INT (B/4))*(B/100<>INT (B/100))+(B/400=INT (B/400)) THEN LET C=29
200 IF t$="y" THEN CLS
202 PRINT " ‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡"
205 PLOT 10,132: DRAW 225,0: DRAW 0,-112: DRAW -225,0: DRAW 0,112
210 PLOT 10,118: DRAW 225,0
220 PRINT AT 6,2;"SU  MO  TU  WE  TH  FR  SA": PRINT AT 3,0;
230 FOR Z=1 TO 6: PLOT 10,116-(Z-1)*16: DRAW 225,0: NEXT Z
240 FOR Z=1 TO 6: PLOT 40+(Z-1)*32,132: DRAW 0,-112: NEXT Z
245 IF t$="y" AND a=1 THEN LPRINT "          ";b;"          ": LPRINT : LPRINT
247 IF t$="y" THEN PRINT TAB 12;m$(a): GO TO 264
252 PRINT TAB 8;M$(A);TAB 18;B
264 DIM C$(74): LET J=8: LET K=2: LET C$=C$( TO 2*D-2)+Z$
270 FOR Z=1 TO C+D-1: PRINT AT J,K;C$(2*Z-1 TO 2*Z): LET K=K+4
280 IF (Z/7=INT (Z/7)) THEN LET J=J+2: LET K=2
290 NEXT Z
295 IF t$="y" THEN COPY : NEXT X
296 IF t$="m" THEN COPY
299 INPUT "ANOTHER YEAR OR MONTH? (Y/N):";y$: IF y$<>"n" THEN RUN
300 DATA "JANUARY","FEBRUARY","MARCH","APRIL","MAY","JUNE","JULY","AUGUST","SEPTEMBER","OCTOBER","NOVEMBER","DECEMBER"
310 STOP
1000 CLS
1010 PRINT "To print the following press:"
1015 PRINT : PRINT
1040 PRINT "L--- To Lprint"
1045 PRINT "C--- ""THIS CALENDAR IS FOR:"""
1050 PRINT "M--- ""MONTH of BIRTH"""
1060 PRINT "Y--- ""YEAR of BIRTH"""
1070 PRINT "N--- If you don't want to Lprint"
1120 IF INKEY$="m" THEN GO TO 4000
1130 IF INKEY$="y" THEN GO TO 5000
1140 IF INKEY$="l" THEN GO TO 6000
1150 IF INKEY$="n" THEN RETURN
1157 IF INKEY$="c" THEN GO TO 8500
1160 GO TO 1100
4000 LPRINT : LPRINT "        MONTH of BIRTH": LPRINT : GO TO 1100
5000 LPRINT : LPRINT "        YEAR of BIRTH": LPRINT : GO TO 1100
6000 CLS : PRINT : PRINT : PRINT "Do you want the Lprint CENTERED?"
6010 IF INKEY$="y" THEN GO TO 6100
6020 IF INKEY$="n" THEN GO TO 6300
6030 GO TO 6010
6100 PRINT : PRINT "Enter up to 32 characters."
6110 INPUT z$: IF LEN z$>32 THEN GO TO 6110
6150 LET l=(32-LEN z$)/2
6160 LPRINT TAB INT l;z$
6165 LPRINT ''
6170 GO TO 1000
6300 PRINT : PRINT "Enter up to 32 characters."
6310 INPUT z$: IF LEN z$>32 THEN GO TO 6310
6350 LPRINT z$
6355 LPRINT ''
6360 GO TO 1000
8500 LPRINT : LPRINT "    THIS CALENDAR IS FOR:"
8510 LPRINT : GO TO 1000
```

```
10>REM *********************
```

BIG PRINTER BANNER PROGRAM

```
*************************
   20 FORMAT "B";9600: OPEN #3;"B
": REM This is the method to
initialize the printer with the
Interface 1. Your printers
routine may be different.
   25 REM SEND CONTROL CHARACTERS
TO YOUR PRINTER HERE. THE OUT-
PUT FROM THE PRINTER MUST BE 80
LETTERS PER LINE. EXPERIMENT
WITH VARIOUS SIZE LINEFEEDS. USE
SMALLER LINEFEED TO MAKE THE
LETTERS LOOK LESS SQUARE AND
DARKER.
   30 POKE 60137,183: REM This
is the character code of the
character you want to use in
making your banner. 183 is box-
like character on my printer.
   40 DIM a$(5120): REM The giant
letter will be held in a$.
   50 INPUT "Enter your message:
";b$: REM You are prompted for
your message.
   60 LET b$=b$+CHR$ 255: REM
The character 255 will be the
sentinel value to mark the end
of the message.
   70 FOR n=1 TO LEN b$: POKE 639
99+n,CODE b$(n): NEXT n: REM POK
E the string into high memory.
   80 LET a$(1)=CHR$ USR 60000:
REM This call puts the enlarged
letter into a$
   90 IF CODE a$(1)<>255 THEN LPR
INT a$: GO TO 80: REM The giant
letter in a$ is printed unless
the sentinel value is detected.
  100 FOR n=60133 TO 60146: POKE
n,0: NEXT n: CLOSE #3: STOP : RE
M The machine language routine
variables are cleared and the
printer channel is closed. You
may have to use a different
routine to deselect your
printer.
1000 DATA   033,000,250,237,091,
229,234,025,126,254,255,032,004,
006,000,079,201,019,235,034,229,
234,033,000,000,111,041,041,041,
235,042,054,092,025,017,241,234,
006,008,126,018,035,027,016,250,
042,077,092,034,231,234,006,008,
197,033,234,234,006,008,205,172,
234,035,016,250,205,204,234,193,
016,238,042,077,092,078,201,229,
197,237,091,231,234,058,233,234,
203,006,056,002,062,032,235,001,
009,000,229,209,019,119,237,176,
237,083,231,234,193,225,201,229,
197,042,231,234,229,017,080,000,
167,237,082,209,001,048,002,237,
176,237,083,231,234,193,225,201,
000,000,000,000,000,000,000,000,
000,000,000,000,000,000,000
1010 FOR N=60000 TO 60146: READ
A: POKE N,A: NEXT N: GO TO 10
```

```
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
```

BANNERS FOR AN EIGHTY COLUMN PRINTER

```
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
```

With the short program listing to the left, you can make large banners with your eighty column printer. A good portion of the program is REM statements explaining how you can customize the program to use on your own printer with your interface. Since most of the program is in machine code, it's fast, but the printer will be the factor that slows you down.

Enter the program, and SAVE "banner" LINE 1000. The machine code data will be POKEd and you will be prompted for your message. You may want to add a routine to load your printer driver in line 20. In line 25, send control characters to your printer if possible to shorten the length of a line feed. I find that 5/72 of an inch works nicely with my printer. That's about 14 lines per inch. The characters overlap slightly, making the letter look taller and darker.

If you have to stop the program in mid-printing, be sure to run line 100 before running the program again.

The machine code program occupies space from 60000 to 60146. It's not likely to interfer with your printer driver, but the input string, B$, is POKEd into memory starting at 64000. This may interfer with your printer driver. If it does, just change the second and third numbers of the DATA statement to the two byte equalent of the address where you'd like to POKE the string. Then change the value 63999 in line 70 to your number minus one. Of course, SAVE the program with these corrections.

By Dave Koshor

```
 10 REM ███████████████
 15 REM "Chinese"
 20 OVER 1
 30 FOR c=1 TO 500
 40 PRINT AT (RND*20),(RND*31);
"CHINESE"
 50 NEXT c
 60 OVER 0
 70 FOR a=1 TO 31 STEP 2
 80 FOR b=0 TO 21
 90 PRINT AT b,a;" "
100 NEXT b
110 NEXT a
```

xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

__QoLumn__

by Gabe Schaffer

xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

Hello, everybody. This is your second installment of QoLumn. Here is the start of a review of Easel (business graphics), one of the four bundled software packages.

xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
REVIEW
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

This is a very easy-to-use program. As soon as it is loaded you can start typing in data. Later you can alter axis names and title, change the type of graph, combine sets of data, etc... Here are the three main editing modes/commands which are CHANGE, EDIT, and immediate:

xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
CHANGE
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

AXIS:
AXIS allows you to change the axis markings and axis colors. The axis markings are the positive and negative limits of the axis, and you can select either automatic limits, in which the computer chooses them based on values being graphed, or manual, in which you specify the axis limits.

BAR:
This command allows you to select the style of bar for the current set of figures. Easel comes with 16 pre-defined bars and you can design up to 16 of your own. Each bar has three parameters: border size, border color, and fill color.

FORMAT:
The FORMAT command allows you to change the style of your graph (e.g. change from lines to a pie.) There are eight formats of graphs, designated 0 to 7. The starting format is 0. They are: (0) side-by-side vertical bars, (1) overlapping vertical bars, (2) stacked vertical bars, (3) lines, (4) side-by-side horizontal bars, (5) overlapping horizontal bars, (6) stacked horizontal bars, and (7) pie.

GRAPH_PAPER:
This allows you to choose from seven pre-designed graph papers or design up to seven of your own. Each graph paper has two parameters: grid color and paper color.

LINE:
The LINE command allows you to select from 16 pre-defined lines or define up to 16 of your own. For a line, there are five parameters: line color, line size, symbols (symbols mark each point on a line with a '+'), symbol color (if symbols are turned on), and line fill (if a line is filled, then it is filled with line color).

SEGMENT:
This allows you to change the color of a chosen segment of a pie graph.

TEXT:
This command allows you to change text direction (vertical or horizontal), text ink color, text background color, and to specify text background as transparent (meaning that you can see all of the graph that is under the text, while still being able to see the text.)

xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
EDIT
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

TEXT:
In EDIT mode, the TEXT command allows you to edit the position and the text itself (or delete the text altogether.) The edited text will take on the current text parameters.

LABELS:
The LABELS command allows you to change the labels. Even if you do not change any of them, they will still take on the current text parameters.

KEY:
This command allows you to change this key (i.e. legend) position or erase it altogether. Once it's positioned, it is pasted there until you move it again.

AXIS:
In EDIT mode, the AXIS command allows you to change either the vertical or horizontal axis name and position. The axis name that you change will take on the current text parameters. The axis names, like the key, are pasted wherever you put them, until you change their positions.

xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
IMMEDIATE
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

You are in immediate mode when the program is loaded. You can immediately start typing in data or formulae. You use the TABULATE key to move one bar to the right, or SHIFT TABULATE to move one bar to the left. You can also move two cross-hairs to position text. Any text will take on the current text parameters, and will get pasted wherever you put it.

The review will be continued next month.

If you would like to subscribe to the RAMTOP please fill out this form and send it to the listed address along with a check for: $15/Year or $7.50/ 6 mo. to become a member of our Group (Attend meetings, use library tapes Ect.) or: $12/Year or $6/ 6 months to receive the RAMTOP only. Please <u>make checks payable</u> to the <u>RAMTOP!</u> (The phone # is only for our records!)

```
***************************************************************
*Please print!  Enclosed: $_____ for 1 year___ / 6 months___*
*                                                              *
*NAME: _____  PHONE:_____    *
*                                                              *
*STREET:_____                          *
*                                                              *
*CITY:_____ STATE:_____ ZIP:_____ *
*                                                              *
*Type of computer(s) and peripheral(s) you own:_____  *
*                                                              *
*_____     *
*       THANK YOU for your interest!    Please send to:        *
*Robert Parish, 12706 Leeila Ave., Cleveland, OH 44135         *
***************************************************************
```

MYSTERY PROGRAM

Adapted from ZX Computer Magazine
Theo Turk
July 17, 1986

FOR TS 1000, TS 1500

TYPE IN THE FOLLOWING LINES...

```
1   REM followed by 160 X's
2   LET A$="C3A740E53E80323040CDB20BE1C906142A3440545D292919
       29292919223440 7C9030FD80C9CD2A0ACD730ECD9040327B40CD9040
          327C40217B404E2346CD85404E2B46CD85404E3E28914F2346
       3E289047CD85404E3E28914F2B463E289047CD85404E23463E289047
          CD85404E2B463E289047CD85404E3E28914F2346CD85404E3E
       28914F2B46CD85403A2540FEFFCAAD40FEFDC2A740C5"
3   LET A=16514
4   POKE A,16*CODE A$(1)+CODE A$(2)-476
5   LET A=A+1
6   LET A$=A$(3 TO)
7   IF A$<>"" THEN GOTO 4
8   STOP
```

RUN the program, - delete lines 2 to 8

NOW ADD...

```
10  LET A=USR 16514
20 STOP
```

NOTE. Press any key to repeat, Press "S" to stop.

August Editorial

Well summer fans, it will be autumn before you know it! Where has this year gone to?! It seems that there are not enough hours in the day! I am leading into the next subject: The RAMTOP. As you all know, I have been the editor for over a year now. In fact, I also keep the records and take care of the mailing also. Up until last Sept. I also did the printing. As of right now, We have 5 people that are mainly responsible for your newsletter. They are: Al Gedris (Printing), Doug Gillespie (Transportation), Andy Kosiorek (T/S Resources), Ted Knyszek (Front cover) and me, James G. DuPuy (Editor). These are the people that work on the newsletter EVERY MONTH. Many of you have and do send GREAT articles! Without them we would have a very thin RAMTOP!

The point is that the RAMTOP is a JOINT project. I NOW NEED SOMEONE TO TAKE THE JOB OF FOLDING, STAMPING, AND MAILING THE NEWSLETTER. When I finish the original, I send it to Al who in turn prints it, then Doug picks it up and as of now, brings it to me and we spend an evening preparing and mailing it. I hope that one of you can do this and take it off my back! IF YOU feel that you would like to contribute a few hours helping do this, give me a call at: 661-4105. THANK YOU!

PLEASE REMEMBER THAT I STILL NEED YOUR ARTICLES! I need PROGRAMS also! It would help speed things up if you send programs and articles on tape using Tasword(for articles). I WILL take them in ANY format as long as I can read them! I now have the Oliger disk system so you may also send a disk. The address is: James G. DuPuy, 6514 Bradley Ave.(DOWN), Parma, Ohio, 44129. (216-661-4105)
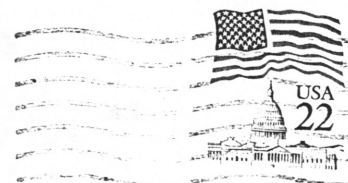
8

CLEVELAND, OH
PM
18 AUG
1986

USA
22

TO:

Kaczor, Jon   87/05/16
4568 Williamston Ave.
Brooklyn, OH
44144

FIRST CLASS MAIL